

BOND CHEMICALS
Ultimate Chemistry

Bond Rheoplast 234

Water reducing and plasticizing admixture for rheoplastic concrete

DESCRIPTION

Bond Rheoplast 234 is composed of synthetic polymers specially designed to produce concrete which is workable without segregation.

RECOMMENDED USES

Bond Rheoplast 234 significantly improves the properties of concrete and is ideal for:

- Ready mixed concrete
- Long-distance transport
- Pumped concrete
- Mass concrete pours
- Hot weather concreting

FEATURES AND BENEFITS

Bond Rheoplast 234 has the following features and benefits:

- Higher initial slump
- Workability retention for extended periods
- Lower pumping pressures
- Better compressive strengths
- Reduced thermal peaks
- Reduced permeability
- Improved durability

PERFORMANCE TEST DATA

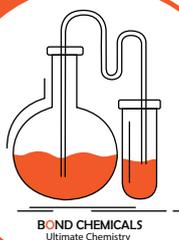
Appearance	Dark Brown liquid
Specific Gravity	1.18 ± 0.02 at 25°C
pH	6 ± 1
Chloride ion content	< 0.2%

STANDARD COMPLIANCE

- ASTM C-494 Type A,B,D, F and G
- BS 5075 Part 1

BOND CHEMICALS (Pvt) Ltd. Ultimate Chemistry

Factory Address: Plot # B-154, Sector # 6-G, Mehran Town, Korangi, Karachi. Cell # 0300-8270334



DOSAGE

To determine the optimum dosage of Bond Rheoplast 234, it is advised to conduct trials with different combinations of concrete ingredients.

As a guide, a dose of 0.8% to 2.0% by weight of cementitious material can be considered as a starting point.

For additional information on dosage of Bond Rheoplast 234, please contact Bond Chemicals (Pvt.) Ltd.

APPLICATION

Bond Rheoplast 234 is a ready-to-use liquid which can be dispensed into the concrete together with the mixing water.

The plasticizing effect and water reduction are higher if the admixture is added to the damp concrete after 50 to 70% of the mixing water has been added.

Addition to dry aggregate or cement is not recommended.

COMPATIBILITY

Bond Rheoplast 234 is compatible with all cements, integral water proofers and air entraining agents complying with ASTM standard requirements.

PACKAGING

Bond Rheoplast 234 is available in IBC (Intermediate Bulk Container) and drum having gross weight of 1,100 Kg and 220 Kg respectively.

STORAGE /SHELF LIFE

Bond Rheoplast 234 must be stored above 5°C.

Store under cover, out of direct sunlight and protect from temperature extremes.

Shelf life is 12 months from the manufacturing date, when stored as above.